In the claims:

All of the claims standing for examination are reproduced below with indication of amendment status.

1 – 22. (Cancelled)

23. (New) A language-processing system comprising:

an input for language in text or audio, as a message;

an extractor operating to separate words and phrases from the input, to consult a knowledge base, and to assign a concept to individual ones of the words or phrases; and

a connector operating to link the concepts to form a statement.

24. (New) The system of claim 23 wherein logically false and meaningless input messages are identified by the nature of the linked-concept statement.

25. (New) The system of claim 23 wherein ambiguous input messages are made clear by the nature of the linked-concept statement.

26. (New) The system of claim 23 further comprising a situation model updated as language is processed.

27. (New) The system of claim 26 wherein the situation model includes access to at least one measuring device.

28. (New) The system of claim 26 wherein conflicts between the linked-concept statement and the situation model are detected and reported to the user.

29. (New) The system of claim 27 wherein the system is used in control situations, and

wherein detection of conflicts are used to predict future or developing risk.

30. (New) The system of claim 23 wherein the connector finds unlinkable concepts from the concepts returned by the extractor, and reports the unlinkable concepts to an external entity.

31. (New) The system of claim 23 adapted for control of technical systems, including robotic systems, further comprising a virtual realizer recognizing meaning of the concept-linked statements used by the system for generating commands for the technical systems.

32. (New) The system of claim 28 wherein the system is used in taxiway control for airports.

33. (New) The system of claim 27 wherein concepts are applied to measured values, and these concepts are applied to the situation model.

34. (New) The system of claim 26 further comprising an artificial language intelligence (ALI) module having cognitive routines of various classes, including routines for extraction of meaning, context-bound modification, context-bound association, and logical inferences, the ALI module making the routines available to the extractor, the connector, and other modules of the system.

35. (New) A method, executing from a digital storage media in a computing appliance, for language processing, comprising the steps of:

(a) extracting by an extractor consulting a general knowledge base, a lexical meaning for individual words and/or phrases in an audio or textual input; and

(b) connecting by a connector module the extracted meanings into a statement.

36. (New) The method of claim 35 including a step for identifying logically false and meaningless messages in the audio or textual input.

37. (New) The method of claim 35 wherein ambiguous input messages are made clear by the nature of the linked-concept statement.

38. (New) The method of claim 35 further comprising a step for updating a situation model as language is processed.

39. (New) The method of claim 38 wherein the situation model includes access to at least one measuring device.

40. (New) The method of claim 38 comprising a step for reporting conflicts between the linked-concept statement and the situation model to a user.

41. (New) The method of claim 38 including a step for predicting future or developing risk in control situations.

42. (New) The method of claim 35 including a step for reporting, by the connector, unlinkable concepts to an external entity.

43. (New) The method of claim 35 including a step for recognizing, by a virtual realizer, meaning of the concept-linked statements, then used by the system for generating commands for the technical systems.

44. (New) The method of claim 38 wherein the system is used in taxiway control for airports.

45. (New) The method of claim 38 wherein concepts are applied to measured values,

and these concepts are applied to the situation model.

46. (New) The method of claim 38 further comprising steps for providing, by an artificial language intelligence (ALI) module, cognitive routines of various classes, including routines for extraction of meaning, context-bound modification, context-bound association, and logical inferences, to the extractor, the connector, and other modules of the system.